



गैल (इंडिया) लिमिटेड

(भारत सरकार का उपक्रम – महारत्न कंपनी)

GAIL (India) Limited

(A Government of India Undertaking - A Maharatna Company)

ND/GAIL/SECTT/2020

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23.07.2020

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Dear Sir,

Please find enclosed a copy of Press Release on “GAIL and Carbon Clean Solutions sign a MoU for Compressed Biogas projects.”

The above is for your information and record please.

Thanking you,  
Yours faithfully,

Company Secretary  
Encl.: As above

**Copy to:**

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## **GAIL (India) Limited**

**Press Release**

### **GAIL and Carbon Clean Solutions sign a MoU for Compressed Biogas projects**

**New Delhi, July 23, 2020:** GAIL (India) Limited and Carbon Clean Solutions Limited (CCSL) have signed a Memorandum of Understanding (MoU) for exploring project development opportunities in Compressed Biogas (CBG) value chain in India.

The MoU aims at building a closer strategic partnership between the two companies by jointly working on CBG projects. GAIL and CCSL will explore various issues in the CBG value chain, such as inter alia feedstock arrangements, suitable technology for the most efficient and high efficiency CBG production, gas off-take arrangements, exploration of various funding models, transportation, marketing and distribution of CBG. CCSL's proven technology for CBG production with specific patents and know how on waste conversion were a natural fit for GAIL's vision to support the development of the CBG business in India.

Through the MoU, CCSL will initially build four CBG plants using their own funding, technology, and expertise. These plants will be based on 10-year CBG off-take agreements with GAIL (or its associated CGD companies) as the off-taker in line with the Sustainable Alternative Towards Affordable Transportation (SATAT) initiative of the Government of India.

Shri Santanu Roy, Executive Director (Business Development) signed the MoU on the behalf of GAIL, while Shri Aniruddha Sharma, CEO CCSL inked the MoU on the behalf of CCSL. Upon completion of the initial plants, GAIL and CCSL will look to actively advance the partnership with the intention of developing upto 100 CBG plants in India.

Shri Santanu Roy said: "GAIL is excited to be part of this MoU which provides an opportunity to promote and be part of Sustainable Alternative Towards Affordable Transportation (SATAT) scheme of MoP&NG. There is significant market potential for production of CBG in India. The CBG projects will provide boost to four pillars of India's energy future – energy access, energy efficiency, energy sustainability and energy security".

Shri Aniruddha Sharma, CEO of CCSL, said: "We are very excited to sign this MoU with GAIL, India has significant biomass resources and with our expertise it's a win-win situation for both companies. As energy demand increases and the country looks to reduce its crude imports it provides a great business opportunity. We are delighted to be a part of the cleaner green fuel transition."

With the Government of India's support for the clean energy transition, this partnership will play a crucial role in furthering technological advancements in production of CBG from organic waste, which will be critical in this transition.

### **About GAIL:**

GAIL (India) Limited is India's leading natural gas company with diversified interests across the natural gas value chain of trading, transmission, LPG production & transmission, LNG re-gasification, petrochemicals, city gas, E&P, etc. It owns and operates a network of around 12,200 km of high pressure trunk pipelines. It is working concurrently on multiple pipeline projects, aggregating over 5400 kms at an investment of about Rs. 24,000 crores, to operate over 18,000 kms by 2021. GAIL commands 75% market share in gas transmission and has a Gas trading share of over 50% in India. GAIL also has a formidable market share in City Gas Distribution. In the Liquefied Natural Gas (LNG) market, GAIL has one of the largest portfolios in the world. GAIL is also expanding its presence in renewable energy like Solar, Wind and Biofuel. GAIL is in process of setting of MSW based CBG plant in Ranchi, Jharkhand.

*For information about GAIL: [www.gailonline.com](http://www.gailonline.com)*

### **About Carbon Clean Solutions Limited:**

Carbon Clean Solutions Limited (CCSL) is a global leader in low-cost carbon dioxide (CO<sub>2</sub>) separation technology for industrial and gas treating applications. The company's patented APBS technology significantly reduces the costs and environmental impacts of CO<sub>2</sub> separation, when compared to existing techniques. CCSL's research was funded by competitive grants, and the company was awarded a 'Technology Pioneer' award by the World Economic Forum in 2015. The technology has been proven at demonstration scale in over 10 locations, including the UK, USA, Germany, India, Norway and the Netherlands, and is currently in use at the world's largest industrial-scale carbon capture and utilisation plant in Tuticorin, India. CCSL is headquartered in London and also operates offices in India and the United States.

*For information about CCSL: [www.carboncleansolutions.com](http://www.carboncleansolutions.com)*